



Building A Robust Workforce in Electric Power Engineering



Albuquerque, New Mexico

March 16-17, 2023

(Co-located with ECEDHA Conference; co-sponsored by Sandia National Lab and ECEDHA)

Workshop Agenda

Thursday, March 16, 2023

7:00 am

Breakfast

8:00 am

Welcome and the Urgency of this topic:

Randy Victora - Welcome Remarks, Head, ECE, Univ. of Minnesota

John Janowiak - Welcome Remarks, ECEDHA

Siddharth Raju – Workshop Mission and Agenda, ECE, Univ. of Minnesota

Aranya Chakraborty – Program Director, National Science Foundation

Lynn J. Petersen, CAPT USN(Ret) – Program Officer, Office of Naval Research

Al Romig – Role of NAE, Executive Director, National Academy of Engineering

Stan Atcitty – Diversity, Equity, and Inclusivity, Sandia National Laboratory

10:00 am

Coffee break and networking

10:30 am

Pramod Khargonekar - VP of Research, University of California, Irvine
Ahmed Rubaai – Head, ECE and Computer Science, Howard University
Joan Carter - Engineering Track in Inver Hills Community College
Matt Brown – Teaching a Pipeline Course in Richfield High School

11:45 am

Proposed Multiple Pathways to a Robust Power Engineering Education –
UMN Team

- Pipeline Course and Lab that can be taught in High Schools
- Proposed Three Courses and Labs that Community Colleges can offer for a Certificate in “Electric Power Engineering”
- Overview of Courses and Labs for BS/MS/PhD degrees discussed tomorrow

12:30 pm

Lunch and Networking

- 1:30 pm Panel Session Moderated by Charlie Smith - ESIG: “Rewarding Careers in Electric Power Engineering,”
- 3:30 pm Refreshment Break and Networking

- 4:00 pm How relevant are our workforce development efforts in other developing countries and regions?
- Africa (James Momoh – by zoom)
 - Middle East (Osama Mohammed)
 - India (Bhuvaneswari Gurumoorthy – by zoom, and D. Venkatramanan)
- 5:00 pm Open Discussion and Developing Action Items
- 6:00 pm Poster Presentations along with Hearty(!) Appetizers – family cordially welcome.

Friday, March 17, 2023

- 7:00 am Breakfast
- 8:00 am Additional Workforce Development Efforts Underway –
— Brandon Grainger – Prof, Univ. of Pittsburgh, Co-Director, AMPED Consortium
— JR Jamora – Airforce Research Lab; Autonomy Technology Research Center
— Norbert Doerry – Naval Research Lab;
Douglas Fouts and Sheila Sklerov – Naval Postgraduate School
- 9:15 am Interactive Textbooks - Ryan Barlow – Zybooks
- 9:45 am Descriptions and Demonstration of courses and online labs by UMN Team
- 11:45 am Adjourn

If you want to get somewhere else, you must run at least twice as fast as that!

